

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 59127547
PUBLICATION DATE : 23-07-84

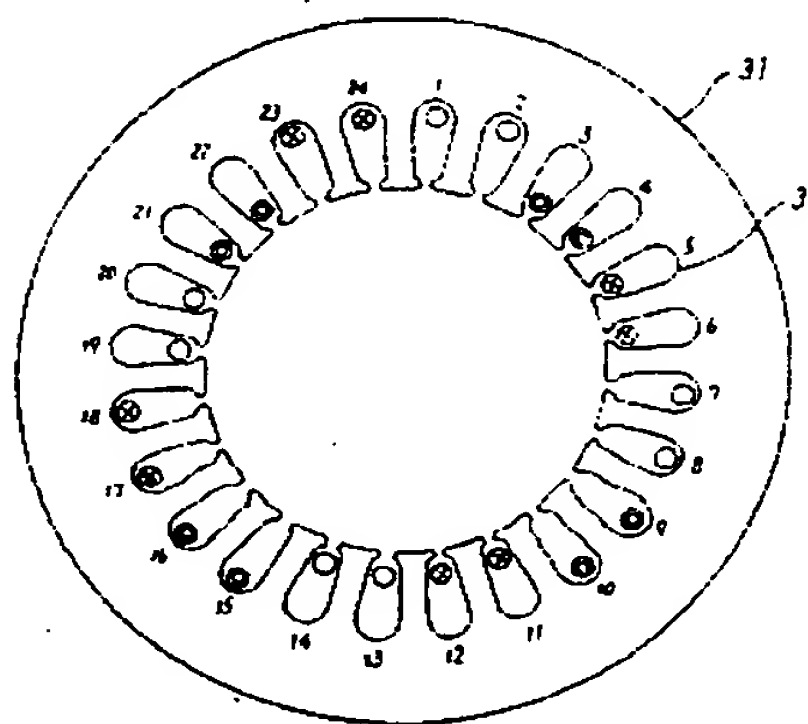
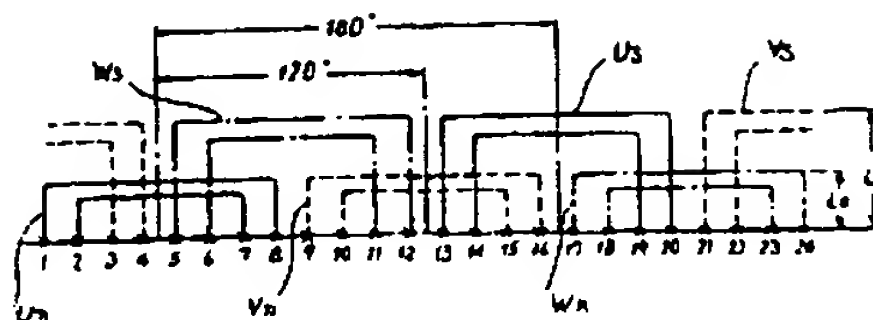
APPLICATION DATE : 11-01-83
APPLICATION NUMBER : 58002644

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : YAMADA HIDEHIKO;

INT.CL. : H02K 3/28

TITLE : WINDING FOR 3-PHASE MOTOR AND
WINDING METHOD THEREOF



ABSTRACT : PURPOSE: To shorten the axial size of a motor and to reduce the number of winding machines by reducing the maximum coil pitch of phase coil groups to the prescribed value or lower, and differentiating the axial sizes of the coil ends of the coil groups of the respective phases between N-pole and S-pole.

CONSTITUTION: The size L_b of the axial coil ends of coil groups U_s , V_s , W_s of the S-pole of the respective phases is formed larger than that L_a of the coil groups U_n , V_n , W_n of the N-pole of the respective phases. When this is executed for any number of poles, it can be performed by setting the maximum coil pitch of the coil group of each phase which form each pole to $n_s/3P-1$ (where n_s = number of slots and P = number of paired poles). In this manner, the axial size of the motor can be reduced, the number of winding machines can be decreased, thereby obtaining a motor which is reduced in size inexpensively.

COPYRIGHT: (C)1984,JPO&Japio